

## MILITARY SPECIFICATION

**ADAPTER, CONNECTOR, COAXIAL,  
RADIOFREQUENCY, BETWEEN SERIES,  
TYPE UG-259A/U**

*This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force*

**1. SCOPE**

**1.1** This specification covers the detail requirements for type UG-259A/U, between series (series HN to series LC), radiofrequency, coaxial connector adapter

**2. APPLICABLE DOCUMENTS**

**2.1** The following documents, of the issue in effect on date of invitation for bids, form a part of this specification to the extent specified herein

**SPECIFICATION****MILITARY**

MIL-A-27434 — Adapters, Connector, Coaxial, Radiofrequency, Between Series, General Specification for

**DRAWINGS****BUREAU OF SHIPS**

REA10002 — Bushing  
REB10054 — Mounting Plate  
REB10467 — Body  
REB10497 — Contact  
REB10509 — Insulator

(Copies of specifications and drawings required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer)

**3. REQUIREMENTS**

**3.1 Requirements.** Requirements shall be in accordance with Specification MIL-A-27434, and as specified herein

**3.2 Design and construction.** The connector adapter shall be of the design, construction, and physical dimensions specified on figure 1

**4. QUALITY ASSURANCE PROVISIONS**

**4.1 Sampling and inspection.** Sampling and inspection shall be in accordance with Specification MIL-A-27434, and as specified herein

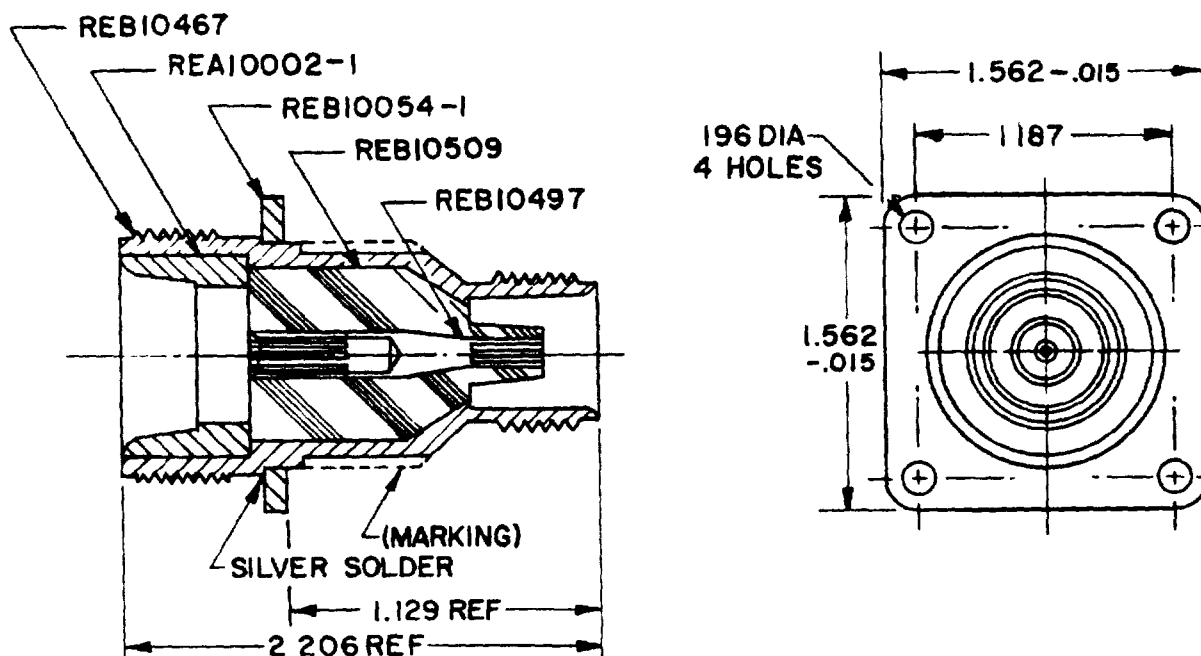
**4.1.1 Group B inspection** Group B inspection shall be in accordance with Specification MIL-A-27434. Mating dimensions shall be as specified in figure 2

**4.2 Dielectric withstanding voltage.** The test voltage shall be 5,000 volts root mean square, applied at 500 volts per second until the rated test voltage is reached

**5. PREPARATION FOR DELIVERY**

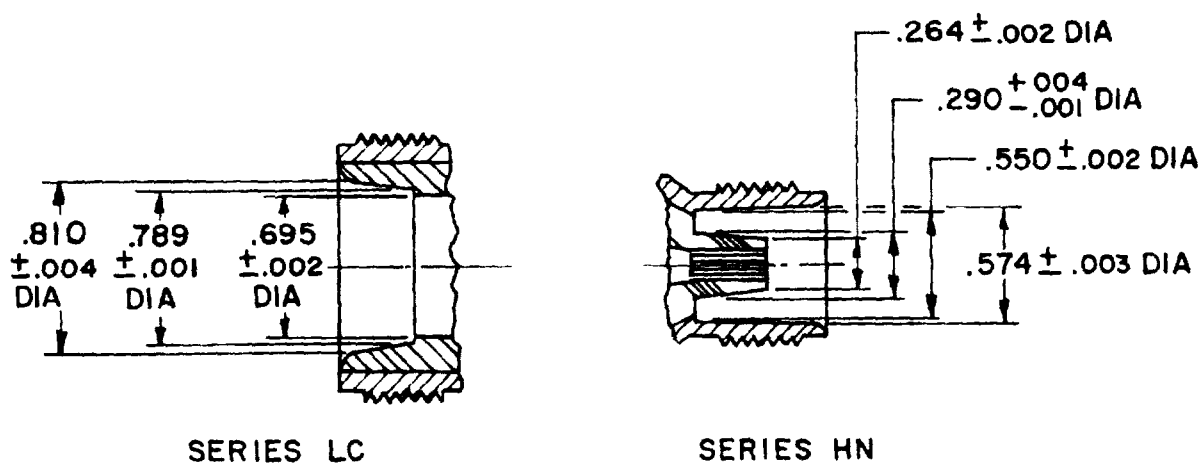
**5.1** Preparation for delivery shall be in accordance with Specification MIL-A-27434

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- 1 All dimensions in inches
- 2 Unless otherwise specified tolerances are  $\pm 0.005$  on decimals

FIGURE 1 Type UG-259A/U connector adapter



All dimensions in inches

FIGURE 2 Dimensional requirements for group B inspection

**6. NOTES**

**6.1 Notes.** In addition to the notes specified herein, the notes specified in Specification MIL-A-27434 are applicable to this specification

**6.2** This specification covers the design of type UG-259A/U connector adapter which was previously covered by Bureau of Ships drawing REB49204

**Notice.** When Government drawings, specifications or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever, and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings specifications or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto

**Custodians:**

Army—Signal Corps  
Navy—Bureau of Ships  
Air Force

**Preparing activity:**

Army—Signal Corps